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# ANTY 466.01: Archaeological Survey

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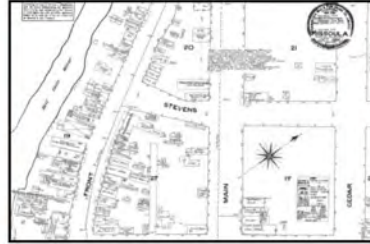
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**ANTHROPOLOGY 466**  
**Archaeological Survey**  
**COURSE SYLLABUS**  
FALL 2013  
THE UNIVERSITY OF MONTANA  
DEPARTMENT OF ANTHROPOLOGY



WEDNESDAYS 9:10 AM – 12:00 NOON SS 252

Course Website: NEW LINK TBA

**INSTRUCTOR:** Kelly J. Dixon

Office: Social Sciences Building, Room 235

Email: [kelly.dixon@mso.umt.edu](mailto:kelly.dixon@mso.umt.edu)

Office hours: Mondays 1:45-3:00 pm; Wednesday afternoons by appointment

**Teaching Assistant/M.A. Thesis Researcher:** Nikki Manning, [nikki.manning@umontana.edu](mailto:nikki.manning@umontana.edu)

**Course Description** Archaeological survey is the process of looking for archaeological sites. This is an introductory course in archaeological field methods that will provide exposure to general survey techniques, map-making, excavation, historical research, laboratory analyses, and report write-up. At the conclusion of this class you will have acquired the ability to:

- Locate, survey, document/map, and interpret cultural/heritage resources
- Identify the elements of a completed site form
- Locate/place cultural resources on a 7.5 minute USGS map
- Understand how a GPS (Global Positioning System) unit works
- Maintain a field notebook
- Understand the methods of various types of archaeological sites and investigations
- Get a sense of archaeological technology such as laser scanning, digital imaging applications, GIS, etc.
- Explore archival resources in the Mansfield Library
- Understand basic methods for cleaning, cataloguing, and curating artifacts
- Explain the National Historic Preservation Act (NHPA) Section 106 process for survey in the U.S.
- Understand the basic tenets of urban archaeological survey for MSO Underground Project
- Understand the steps involved with researching historic buildings and cultural landscapes in western Montana

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**REQUIRED TEXTBOOK:**

Heather Burke, Claire Smith, and Larry Zimmerman

2008 *The Archaeologist's Handbook* (North American Edition), Walnut Creek, California, AltaMira Press.

**NOTE:** pdfs of pertinent readings, such as these, will be assigned throughout the semester and posted on the course website:

Alberti, Marina, John M. Marzluff, Eric Shulenberger, Gordon Bradley, Clare Ryan, and Craig Zumbrunnen

2008 Integrating Humans into Ecology: Opportunities and Challenges for Studying Urban Ecosystems, in *Urban Ecology: An International Perspective on the Interaction Between Humans and Nature*, edited by Marzluff, John M., Eric Shulenberger, Wilfried Endlicher, Marina Alberti, Gordon Bradley, Clare Ryan, Ute Simon, Craig Zumbrunnen; Springer; 143-158.

Ansuetz, Kurt F., Wilshusen, Richard H. and Scheick, Cherie L.

2001 An Archaeology of Landscapes: Perspectives and Directions. *Journal of Archaeological Research* 9:157-211.

Baumler, E.

2002 The Haunting of Butte's Quartz Street Fire Station. *Montana: The Magazine of Western History*; 52(1): 76-78.

Fox, Richard A., Jr. and Douglas D. Scott

1991 The Post-Civil War Battlefield Pattern: An Example from the Custer Battlefield. *Historical Archaeology* 25(2):92-103.

Grimm, Nancy B., J. Morgan Grove, Steward T.A. Pickett, and Charles L. Redman

2008 Integrated Approaches to Long-Term Studies of Urban Ecological Systems, in *Urban Ecology: An International Perspective on the Interaction Between Humans and Nature*, edited by Marzluff, John M., Eric Shulenberger, Wilfried Endlicher, Marina Alberti, Gordon Bradley, Clare Ryan, Ute Simon, Craig Zumbrunnen; Springer; 123-141.

King, Thomas

1998 *Cultural Resource Laws and Practice*, Altamira Press, Walnut Creek, California.

Low, S.

1996 Anthropology of Cities: Imagining and Theorizing the City. *Annual Review of Anthropology* 25:383-409.

McAlester, Virginia and Lee McAlester

1984 *A Field Guide to American Houses*, Knopf, New York.

Compton, Robert

1986 *Geology in the Field* by John Wiley and Sons.

Melnick, Robert Z.

1980 Preserving Cultural and Historic Landscapes: Developing Standards. In *Cultural Resource Management (CRM)*, National Park Service Technical Bulletin, Volume 3, Number 1. U.S. Department of the Interior, National Park Service, Cultural Resources, Washington. D.C.

1985 Landscape Thinking. In *Cultural Resource Management (CRM)*, National Park Service Technical Bulletin, Volume 8, Number 1. U.S. Department of the Interior, National Park Service, Cultural Resources, Washington. D.C.

Smith, Minie

2012 *The Missoula Mercantile: The Store that Ran an Empire*, Charleston, South Carolina, The History Press.

Valentino, A.

2012 Using Maps to Aid Our Understanding of a Site's History. *Industrial Archeology* 35(1-2): 39-48.

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#### USEFUL WEBSITES:

Missoula Historic Underground Project Facebook Page: <https://www.facebook.com/missoulahistoricundergroundproject>

Directory of archaeological societies and journals: <http://archaeology.about.com/blsmokedir.htm>

HABS Guidelines: [http://www.nps.gov/history/hdp/standards/HABS\\_drawings.pdf](http://www.nps.gov/history/hdp/standards/HABS_drawings.pdf)

Rock Art Documentation: [http://www.arara.org/Recording\\_Manual.pdf](http://www.arara.org/Recording_Manual.pdf) "...the best free textbook on rock art students can have..." - Tim Urbaniak

3-D Scanning: <http://archive.cyark.org/> (info source for 3D scanning)

#### FIELD SUPPLIES:

You need the following materials for this course:

1. Directional compass (class will supply some for training purposes, but it is always good to have your own for survival)
2. Field notebook
3. Tape measure – be sure it is metric **AND** English (i.e. centimeters/meters and inches/feet)
4. Head lamp and/or flashlight
5. Digital camera – only IF you already own one (please do not buy on special for this class!)



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**ATTENDANCE:**

As this is an upper-level class, complete attendance is expected, and attendance will help make decisions about a student's final grade in borderline cases. Also, there will be some in-class projects and participation exercises AS WELL AS WEEKEND FIELD EXPERIENCES/FIELD TRIPS **that require attendance to get full points.**

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**GRADES:**

You will be assessed on the basis of the following assignments:

1. Project 1: MSO Underground Task A (Feature Forms, Photos)	100 points
2. Project 2: MSO Underground Task B (Archival Inventory)	100 points
3. Project 3: MSO Udrgrnd. Report Section, Map, Other, Presentation	100 points
4. Your field notebook (due last regular class)	100 points
5. Participation (may include in-class experiences and hands-on projects)	100 points

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TOTAL	500 points
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I will assign +/- grades and final grades will be based upon the following average scores for the journals, exam, research paper and in-class, exercises and participation: A (100-95), A- (94-90), B+ (89-88), B (87-83), B- (82-80), C+ (79-78), C (77-73), C- (72-70), D+ (69-68), D (67-63), D- (62-60), F (59 or less).

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**STUDENTS WITH DISABILITIES:**

The Department of Anthropology is committed to equal opportunity in education for all students, including those with documented physical disabilities or documented learning disabilities. University policy states that it is the responsibility of students with documented disabilities to contact instructors DURING THE FIRST WEEK OF THE SEMESTER to discuss appropriate accommodations to ensure equity in grading, classroom experiences, and outside assignments. The instructor will meet with the student and the staff of the Disability Services for Students (DSS) to make accommodations. Please contact DSS (243.2373, Lommasson Center 154) for more information.

**COURSE SCHEDULE:****Week 1****Readings**

Wednesday, August 28

Syllabus Handout; Introduction to the Missoula Historic Underground Project: "getting the lay of the land"  
(Nikki Manning will introduce ongoing research)

**Homework for next week:** Prepare a list of experiences that you have, if any, related to archaeological field work, map-making/GIS, architectural drawing, photography, etc.

**Week 2****Readings**

Wednesday, September 4

Course Intro, Student Experience Discussion, Field Notebooks, Site Forms, Archaeological "Site Types" in MT  
Burke et al. Chapters 1 and 3

**BRING YOUR TEXTBOOK AND SYLLABUS TO CLASS TODAY!**

**EXTRA CREDIT IF YOU VOLUNTEER AT FIRST FRIDAY EVENT!**

**Bonus points for assisting with Minie Smith's First Friday event:  
Missoula Mercantile, Friday, September 6, at 4 pm**

**Week 3****Readings**

Wednesday, September 11

Topo Maps, Compass, UTM's, Survey Transects, Grids, Sanborn Maps  
Burke et al. Chapters 2 and 4

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**Week 4****Readings**

Wednesday, September 18

Poacher Gulch Prep, HABS Standards for Documenting Historic Structures

Burke et al. Chapter 6

HABS Guidelines:

[http://www.nps.gov/history/hdp/standards/HABS\\_drawings.pdf](http://www.nps.gov/history/hdp/standards/HABS_drawings.pdf)

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**Week 5****Readings**

Wednesday, September 25

MSO Underground: Intro to the "Merc": **We will go downtown to tour the Missoula Mercantile Building and Basement to Prepare for Field Documentation**

Poacher Gulch Prep readings TBA

OPTIONAL READING: Minie Smith

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Saturday, September 28

**FIELD TRIP TO POACHER GULCH, NEAR PLAINS, MONTANA**

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**Week 6****Readings**

Wednesday, October 2

MSO Underground: More urban survey fieldwork

Burke et al. Chapter 9

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**Week 7****Readings**

Wednesday, October 9

MSO Underground: More fieldwork and/or **POSSIBLE Coloma Field Trip if we get done with the Merc**

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**Week 8****Readings**

Wednesday, October 16

MSO Underground Archival Research: Visit K. Ross Toole Archives for an Overview with Archivist Donna McCrea; then we will spend the rest of the class working with collections in the Archives.

Review Burke et al. pp. 191-193, 218

**HOMEWORK Assignment:** Annotated Inventory of Archival Documents **DUE: November 20**

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**Week 9****Readings**

Wednesday, October 23

MSO Underground Archival Research: K. Ross Toole Archives, Cont'd

No readings: homework time

**HOMEWORK Assignment:** Continue Your Annotated Inventory of Archival Documents **DUE: November 20**

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**Week 10****Readings**

Wednesday, October 30

CRM Laws and History, NHPA, Cultural Landscapes, Landscape Archaeology, and Environmental Change

Burke et al. Chapter 8

OPTIONAL: Burke et al. Chapter 7

OPTIONAL: Melnick 1980, 1985

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**Week 11****Readings**

Wednesday, November 6

Archaeology of Battlefield Landscapes

Fox and Scott 1991:92-103

Tentative: Guest Lecture

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**Week 12****Readings**

Wednesday, November 13

Excavation Brief, Artifact Identification

Burke et al. Chapter 5

<b><u>Week 13</u></b>		<b><u>Readings</u></b>
Wednesday, November 20	Artifact Cataloguing and Curation and the UMACF	Burke et al. Chapter 10
<b><u>Week 14</u></b>		<b><u>Readings</u></b>
Wednesday, November 27	THANKSGIVING (NO CLASS – TRAVEL DAY)	
<b><u>Week 15</u></b>		<b><u>Readings</u></b>
Wednesday, December 4	Synthesizing archaeology, history, preservation, technology, etc. Presentations and Summaries of the Semester's Findings  DRAFTS OF Feature Forms, Maps, Photo Files, Drawings DUE FOR REVIEW <b>Field Notebooks Due!</b>	
<b><u>Week 16:</u></b>		<b><u>Final Exam Time Slot</u></b>
Thursday, December 12:	Final Exam time Slot: 10:10 am -12:10 pm Final Exam Activity TBA <b>FINAL Report/Underground Documentation Due!</b>	